bio-protocol Preprint

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CNV detection

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An abbreviated version of this protocol was published in Science in Sep 2020

Inborn errors of type I IFN immunity in patients with life-threatening COVID-19

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Detailed protocol

Please find the detailed CNV detection methods and references in the online supplementary materials.

How to cite:(Readers should cite both the Bio-protocol preprint and the original research article where this protocol was used)

1. Casanova, J. and Zhang, Q. (2021). CNV detection. Bio-protocol Preprint. bio-protocol.org/prep1041.
2. Zhang, Q., Bastard, P., Liu, Z., Pen, J. L., Moncada-Velez, M., Chen, J., Ogishi, M., Sabli, I. K. D., Hodeib, S., Korol, C., Rosain, J., Bilguvar, K., Ye, J., Bolze, A., Bigio, B., Yang, R., Arias, A. A., Zhou, Q., Zhang, Y., Onodi, F., Korniotis, S., Karpf, L., Philippot, Q., Chbihi, M., Bonnet-Madin, L., Dorgham, K., Smith, N., Schneider, W. M., Razooky, B. S., Hoffmann, H., Michailidis, E., Moens, L., Han, J. E., Lorenzo, L., Bizien, L., Meade, P., Neehus, A., Ugurbil, A. C., Corneau, A., Kerner, G., Zhang, P., Rapaport, F., Seeleuthner, Y., Manry, J., Masson, C., Schmitt, Y., Schlüter, A., Voyer, T. L., Khan, T., Li, J., Fellay, J., Roussel, L., Shahrooei, M., Alosaimi, M. F., Mansouri, D., Al-Saud, H., Al-Mulla, F., Almourfi, F., Al-Muhsen, S. Z., Alsohime, F., Turki, S. A., Hasanato, R., Beek, D. V. D., Biondi, A., Bettini, L. R., D'Angio, M., Bonfanti, P., Imberti, L., Sottini, A., Paghera, S., Quiros-Roldan, E., Rossi, C., Oler, A. J., Tompkins, M. F., Alba, C., Vandernoot, I., Goffard, J., Smits, G., Migeotte, I., Haerynck, F., Soler-Palacin, P., Martin-Nalda, A., Colobran, R., Morange, P., Keles, S., Çölkesen, F., Ozcelik, T., Yasar, K. K., Senoglu, S., Karabela, Ş. N., Gallego, C. R., Novelli, G., Hraiech, S., Tandjaoui-Lambiotte, Y., Duval, X., Laouénan, C., Snow, A. L., Dalgard, C. L., Milner, J., Vinh, D. C., Mogensen, T. H., Marr, N., Spaan, A. N., Boisson, B., Boisson-Dupuis, S., Bustamante, J., Puel, A., Ciancanelli, M., Meyts, I., Maniatis, T., Soumelis, V., Amara, A., Nussenzweig, M., García-Sastre, A., Krammer, F., Pujol, A., Duffy, D., Lifton, R., Zhang, S., Gorochov, G., Béziat, V., Jouanguy, E., Sancho-Shimizu, V., Rice, C. M., Abel, L., Notarangelo, L. D., Cobat, A., Su, H. C. and Casanova, J. (2020). Inborn errors of type I IFN immunity in patients with life-threatening COVID-19. Science. DOI: 10.1126/science.abd4570

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